#2-(a) 
$$y = \alpha^3 = \beta(\alpha)$$
  
 $\frac{dy}{dx} = \frac{\beta}{\alpha}(\alpha)$ 

$$= \lim_{\Delta x \to 0} \frac{\partial \alpha \Delta K(\alpha + \Delta \alpha)}{\partial \alpha} = 3\alpha^2$$

$$#2-(c)$$
  $y = \sqrt{3}(x)$  =  $g(x)$   
 $\frac{dy}{dx} = g(x)$ 

$$= \lim_{h \to 0} g(\alpha + h) - g(\alpha)$$